

NARRATIVE STATEMENT

By this application, Motorola, Inc., seeks a license to test and demonstrate prototype equipment for export only operating on 925-960 MHz and 1930-1990 MHz transmit and 880-915 MHz and 1850-1910 MHz receive. Experimental activities will be conducted at Arlington Heights, Illinois; Chandler, Arizona; and Fort Worth, Texas. The following information is provided in support of this request:

Need for a License:

Motorola is developing equipment for use outside the United States and seeks to test and demonstrate this equipment to evaluate its functionality and acceptability. Grant of a license will serve the public interest, necessity and convenience, as it will allow Motorola to develop and improve equipment used to meet the communications needs of users.

Purpose of Operation:

Motorola proposes to test, demonstrate and operate prototype radio equipment for export only operating on 925-960 MHz and 1930-1990 MHz transmit and 880-915 MHz and 1850-1910 MHz receive. Motorola does not intend to market the equipment for use in the United States.

Proposed Locations:

Motorola proposes to conduct its experimental activities within 5 km of the following locations.

1155 West Dundee Road
Arlington Heights, Illinois
Cook County
North Latitude 42 deg 08' 21"
West Longitude 87 deg 59' 49"
Datum: NAD27

1501 West Shure Drive
Arlington Heights, Illinois
Cook County
North Latitude 42 deg 08' 12"
West Longitude 88 deg 00' 03"
Datum: NAD27

2501 South Price Road
Chandler, Arizona
Maricopa County
North Latitude 33 deg 15' 14"
West Longitude 111 deg 53' 32"

Datum: NAD27

5555 North Beach Street
Fort Worth, Texas
Tarrant County
North Latitude 32 deg 50' 36"
West Longitude 97 deg 17' 26"
Datum: NAD27

Technical Specifications:

Frequency: 925-960 MHz Transmit
Power: 20 Watts Mean TPO, 3.5 kW Mean ERP
Necessary Bandwidth: 200 kHz
Modulation: 8PSK
Emissions: G7D
Antenna: Omnidirectional

Frequency: 1930-1990 MHz Transmit
Power: 20 Watts Mean TPO, 1 kW Mean ERP
Necessary Bandwidth: 200 kHz
Modulation: 8PSK
Emissions: G7D
Antenna: Omnidirectional

Frequency: 880-915 MHz Receive
Power: 20 Watts Mean TPO, 500 Watts Mean ERP
Necessary Bandwidth: 200 kHz
Modulation: 8PSK
Emissions: G7D
Antenna: Omnidirectional

Frequency: 1850-1910 MHz Receive
Power: 20 Watts Mean TPO, 1 kW Mean ERP
Necessary Bandwidth: 200 kHz
Modulation: 8PSK
Emissions: G7D
Antenna: Omnidirectional

Antenna Information:

The antennas will not extend more than 6 meters above the ground or, if mounted on an existing building, will not extend more than 6 meters above the building. If the antennas are mounted on existing structures other than buildings, they will be installed in accordance with FAA and FCC rules and regulations.

Equipment to be Used:

Motorola expects that it will be able to complete its experimentation and demonstration with two (2) base units and two (2) mobile units at each location. It will also limit the power, area of operation, and transmitting times to the minimum necessary to evaluate the equipment.

Restrictions on Operation:

Motorola recognizes that the operation of any equipment under experimental authority must not cause harmful interference to authorized facilities. It therefore will coordinate its activities with any licensees or users in the proposed bands in accordance with FCC requirements. Should interference occur, Motorola will take immediate steps to resolve the interference, including if necessary arranging for the discontinuance of operation.

In addition, Motorola will advise entities using the equipment that permission to operate has been granted under experimental authority issued to Motorola, that such operation is strictly temporary, and that the equipment may not cause harmful interference.

Public Interest:

Motorola submits that issuance of a license is in the public interest, convenience, and necessity. Grant of a license will permit Motorola to develop innovative equipment that will accommodate the communications needs of users.

Contact Information:**Legal Contacts:**

David E. Hilliard, Esq.
Kurt E. DeSoto, Esq.
Wiley, Rein & Fielding
1776 K Street, N.W.
Washington, DC 20006
Telephone: (202) 719-7000
Fax: (202) 719-7049
dhilliard@wrf.com
kdesoto@wrf.com

Motorola Contacts at Arlington Heights Sites:

Joe Sepeczi, 847-632-7133, Skytel 2-way: 877-681-3452
Monika Gutkowska, 847-632-7499, Skytel 2-way 1240356

Motorola Contacts at Chandler Site:

Michael Miller, 480-456-2535
Galip Boran, 480-732-5916

Motorola Contact at Fort Worth Site:

Cliff Critchett, 817-245-6122